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**United States Patent** [19]  
**Buchheim**

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[54] **PORTABLE DIGITAL PLAYER COMPATIBLE WITH A CASSETTE PLAYER** 5,586,090 12/1996 Otte ..... 369/2

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[57] **ABSTRACT**

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A portable audio device is provided and includes (a) a housing shaped as a cassette and insertable into a cassette deck of a cassette player; (b) a digital audio player in the housing, the digital audio player including a memory and an audio chip for storing and subsequently playing digital audio information through at least one speaker; and (c) an emulator in the housing, the emulator operatively communicating with the digital audio player for emulating the digital audio information as analog audio information readable by a magnetic playing head of the cassette player for playing the digital audio information through the cassette player.

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[58] **Field of Search** ..... 369/2, 1, 6, 9-10,  
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**30 Claims, 2 Drawing Sheets**

